

FIG. 2

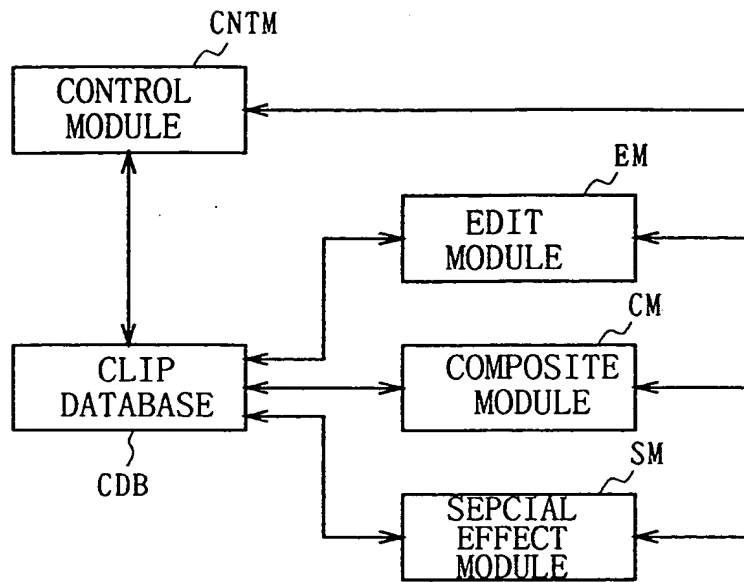


FIG. 3

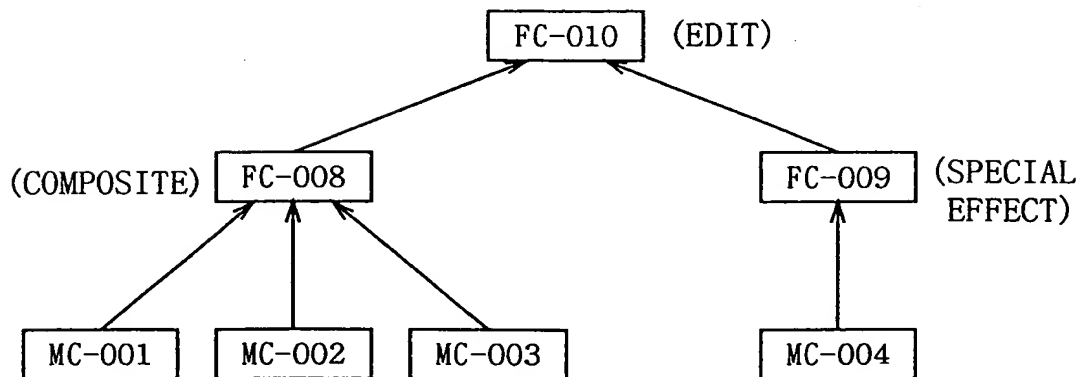


FIG. 4

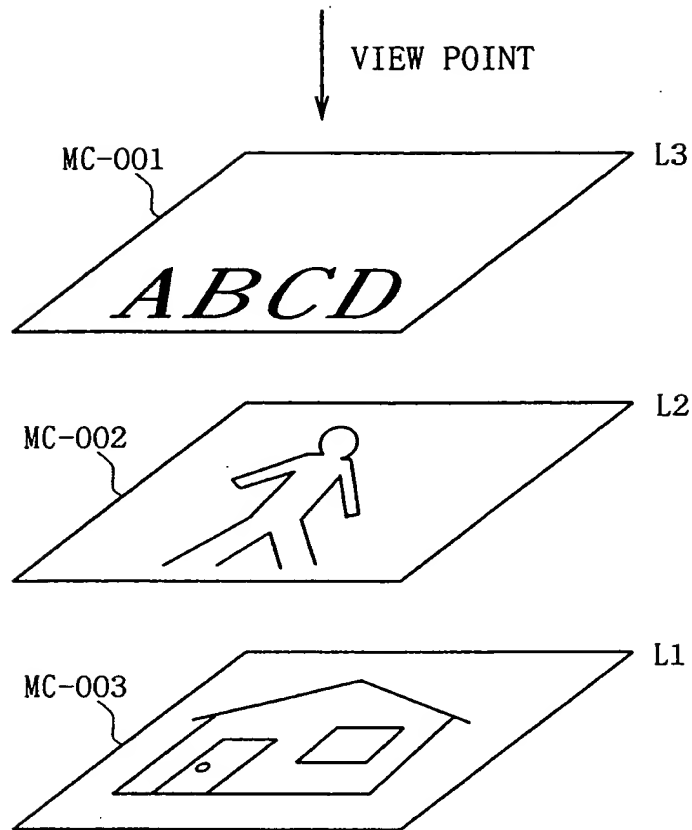


FIG. 5

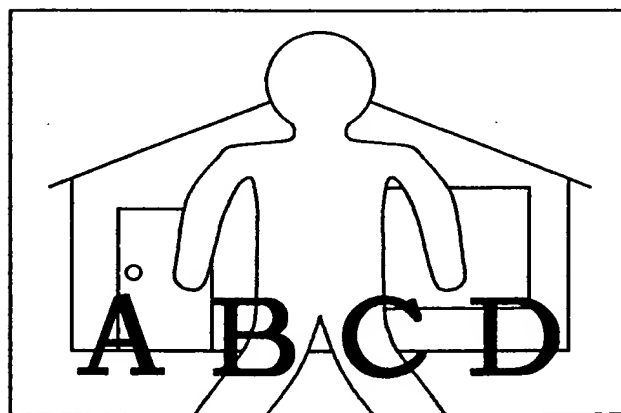


FIG. 6

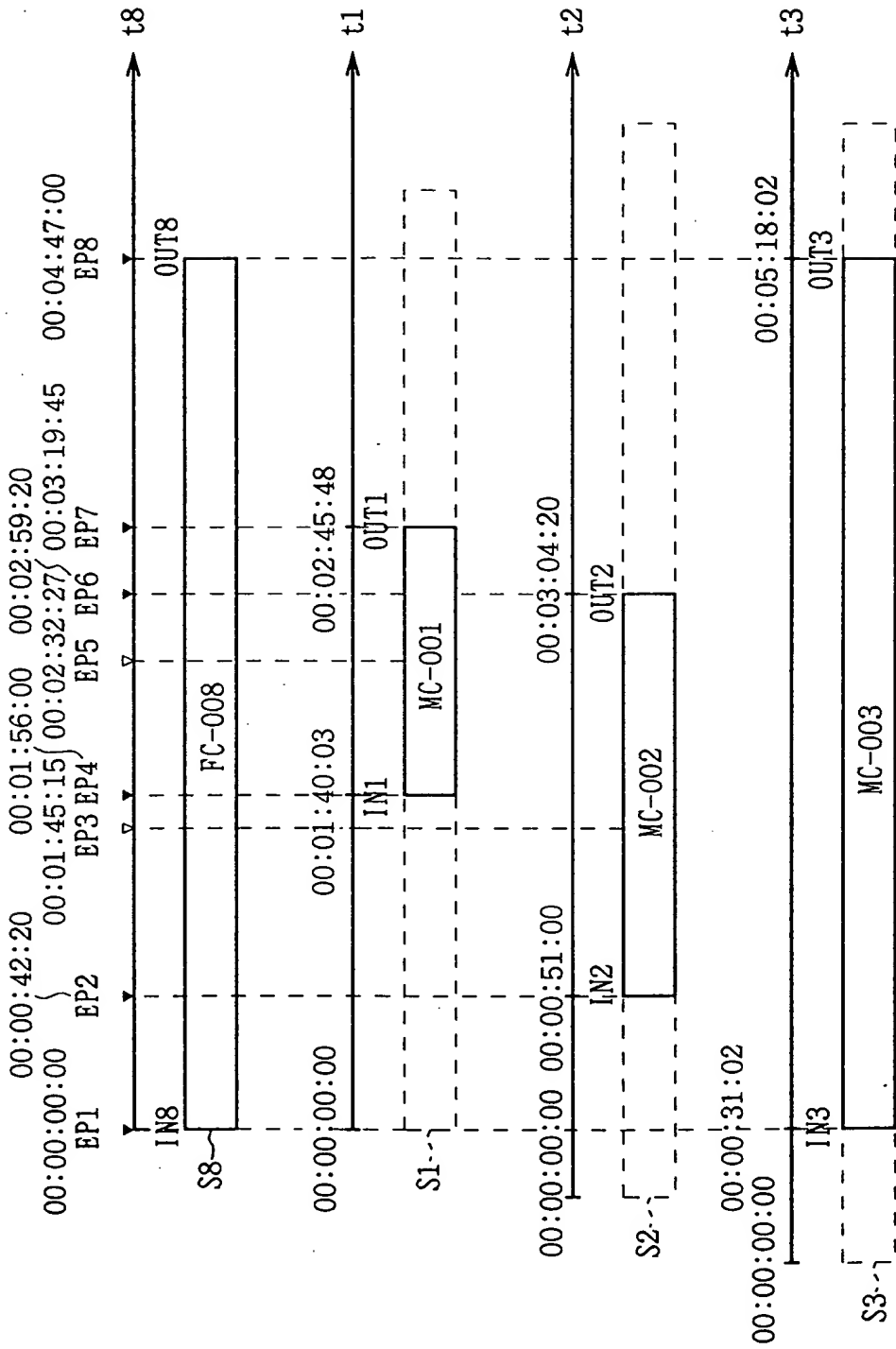


FIG. 7

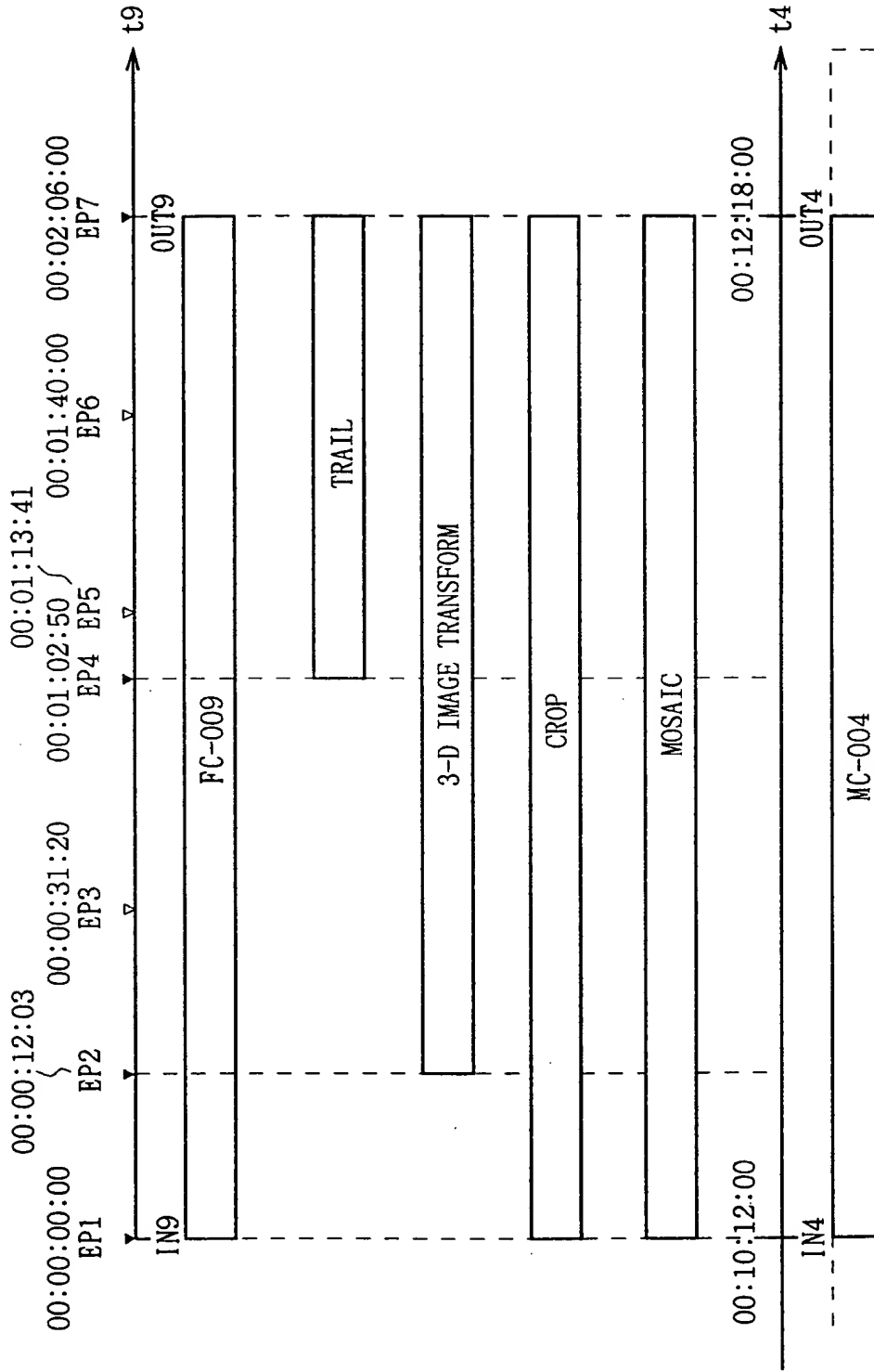


FIG. 8

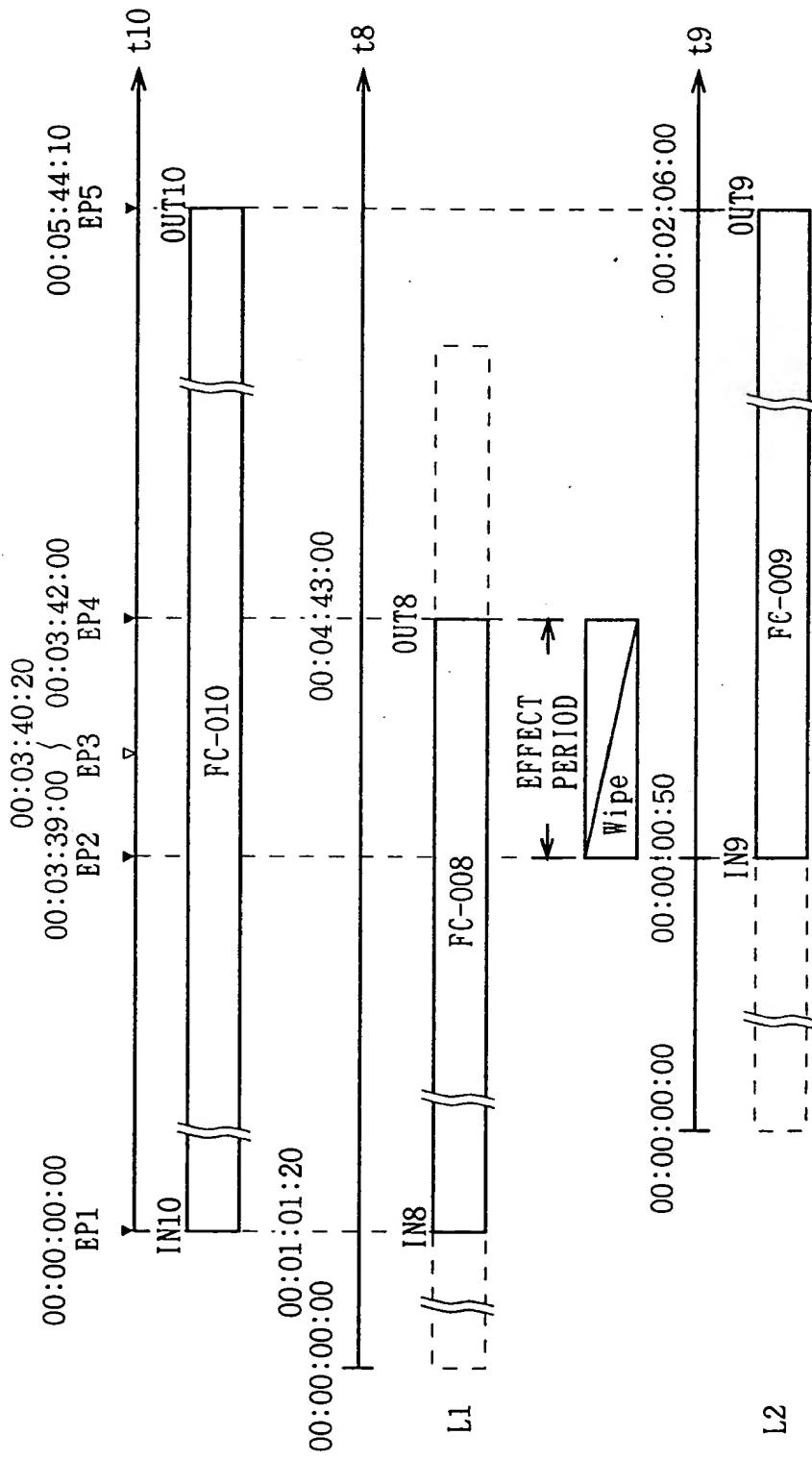


FIG. 10

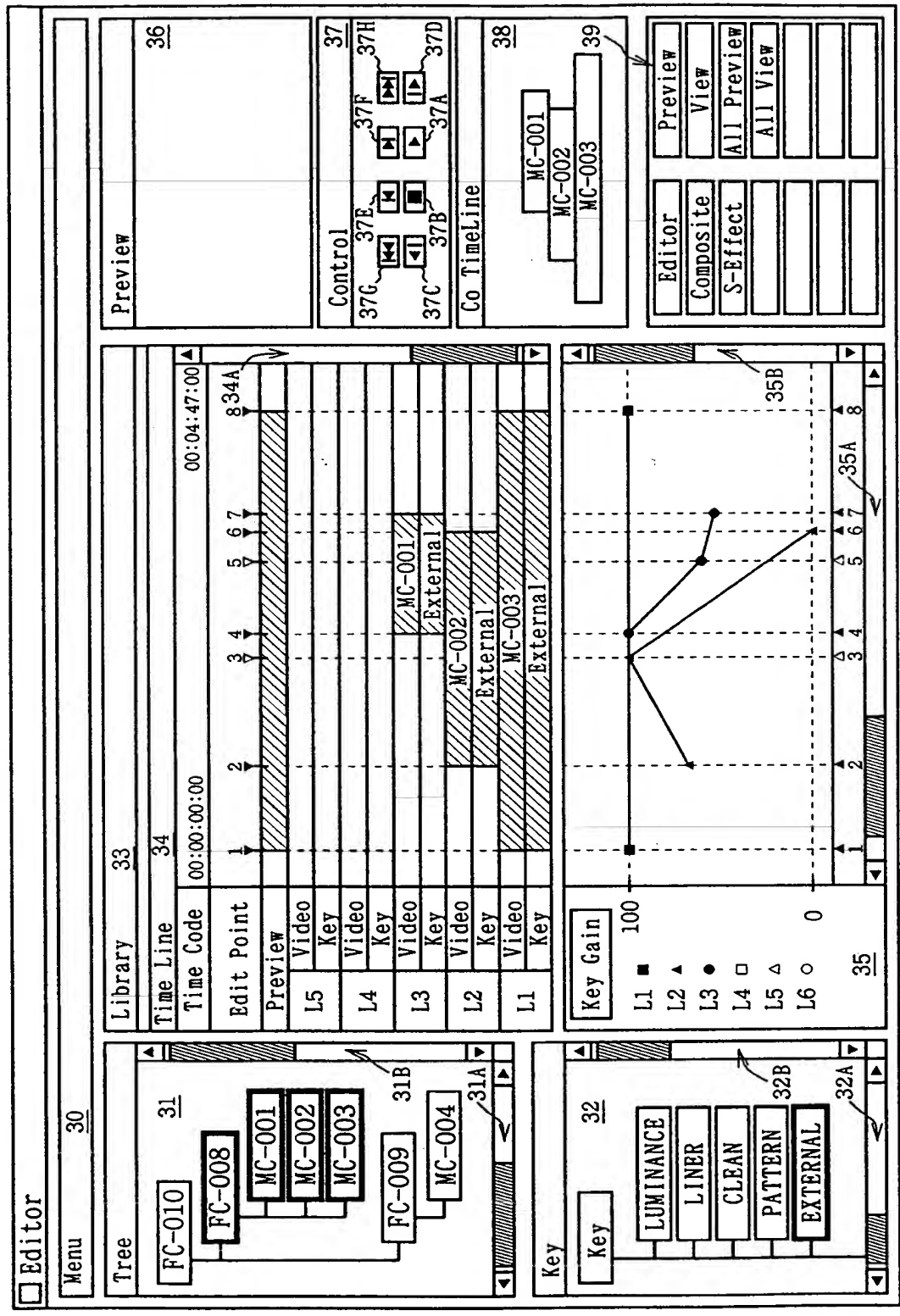


FIG. 10



Menu <u>30</u>		Library <u>33</u>	
Tree		Time Line <u>41</u>	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> FC-010 <u>31</u> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">FC-008</div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">MC-001</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">MC-002</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">MC-003</div> </div> <div style="border: 1px solid black; padding: 2px; margin-top: 2px;">FC-009 <u>31B</u></div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">MC-004</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">31A</div> </div> </div> </div>		Time Code 00:00:00:00 00:02:06:00 Edit Point 1 2 3 4 5 6 7 Preview L2 Key Video L1 E4 E3 E2 E1 Key Video Trail 3D Crop Mosaic External MC-004	
Effect List		3D Transformation <u>42</u>	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Effect <u>40</u> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <div style="border: 1px solid black; padding: 2px; margin-bottom: 2px;">S-EFFECT</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">3D</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Trial</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Brick</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Shadow</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Mix</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Light</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">Crop</div> </div> <div style="width: 50%;"> <div style="text-align: center;">40A</div> <div style="text-align: center;">40B</div> </div> </div>		Loc X <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/> Loc X <input type="checkbox"/> Y <input type="checkbox"/> Z <input type="checkbox"/> Asp <input type="checkbox"/> Skew <input type="checkbox"/> Pers <input type="checkbox"/>	
Preview		Control	
<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> Preview </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">37G</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">37E</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">37F</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">37H</div> </div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px; text-align: center;">37C</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">37B</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">37A</div> <div style="border: 1px solid black; padding: 2px; text-align: center;">37D</div> </div>		Co TimeLine Trial 3D Crop Mosaic MC-004	
Editor		Preview	
Composite		View	
S-Effect		All Preview	
		All View	

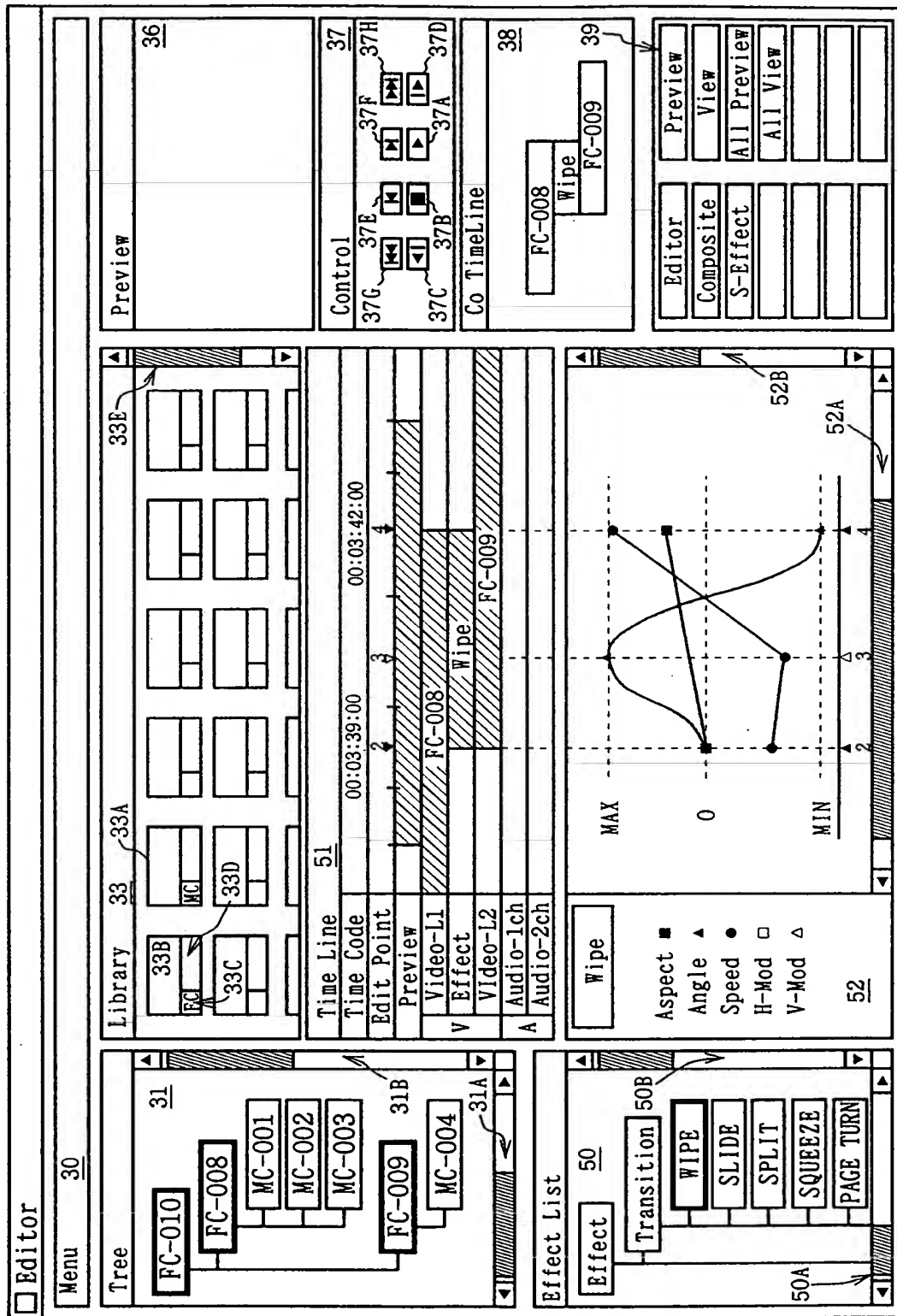


FIG. 12

CLIP ID CODE	CLIP NAME	AT- TRIB- UTE	POINTER TO IMAGE DATA	DURATION	PARENT LINK ID CODE	CHILD LINK ID CODE			ENABLE/ DISABLE FLAG	WORK DATA		
						L 1	L 2	L 3		MODULE ID CODE	EDITING POINT DATA	IMAGE PROCESSING DATA
001	MC-001	M	8 byte	00:08:02:10	008				E			
002	MC-002	M	8 byte	00:05:11:00	008				E			
003	MC-003	M	8 byte	00:10:55:01	008				E			
004	MC-004	M	8 byte	00:20:31:07	009				E			
005	MC-005	M	8 byte	01:02:20:29					D			
006	MC-006	M	8 byte	00:00:10:00					D			
007	MC-007	M	8 byte	00:02:28:18					D			
008	FC-008	F	8 byte	00:04:47:00	010	003	002	001	E	C	EDIT P DATA	COMP DATA
009	FC-009	F	8 byte	00:02:06:00	010	004			E	S	EDIT P DATA	S-EFFECT DATA
010	FC-010	F	8 byte	00:05:44:10	000	008	009		E	E	EDIT P DATA	EDIT DATA

FIG. 13



EDITING POINT DATA									
	EDIT- ING POINT	I D	EP						
			1	2	3	4	5	6	7
008	L 1	TIME CODE							
		IN	00:00:00:00	00:00:42:20	00:01:45:15	00:01:56:00	00:02:32:27	00:02:59:20	00:03:19:45
		OUT	00:00:31:02						00:04:47:00
	L 2	IN		00:00:51:00					
		OUT						00:03:04:20	
	L 3	IN				00:01:40:03			
		OUT							00:02:45:48

FIG. 15

EDITING POINT DATA									
009	EDIT- ING POINT	I D	EP 1	EP 2	EP 3	EP 4	EP 5	EP 6	EP 7
	TIME CODE		00:00:00:00	00:00:12:03	00:00:31:20	00:01:02:50	00:01:13:41	00:01:40:00	00:02:06:00
	L 1	IN	00:10:12:00						
		OUT						00:12:18:00	

FIG. 16

EDITING POINT DATA									
	EDIT- ING POINT	I D	E P						
			1	2	3	4	5	6	7
010	L 1	TIME CODE	00:00:00:00	00:03:39:00	00:03:40:20	00:03:42:00	00:05:44:10		
		IN	00:01:01:20						
		OUT				00:04:43:00			
	L 2	IN	00:00:00:50						
		OUT					00:02:06:00		

FIG. 17

COMPOSITE DATA									
008	EDITING POINT ID	EP1	EP2	EP3	EP4	EP5	EP6	EP7	EP8
	L1 COMPOSITE GAIN	100	--	--	--	--	--	--	100
	L2 COMPOSITE GAIN		59	100	--	--	0		
	L3 COMPOSITE GAIN				100	67	--	51	

FIG. 18



SPECIAL EFFECT DATA														
009	L 1	E 1												
		E 2												
					EFFECT ID	1 0 2 5								
					EDIT P ID	EP 1	EP 2	EP 3	EP 4	EP 5	EP 6	EP 7		
					Loc X		0	--	0	--	-1.6	-1.6		
					Loc Y		0	--	--	--	0	+2.0		
					Loc Z		0	--	--	--	+2.2	+2.2		
					Rot X		0	--	--	-180	--	-102		
					Rot Y		0	--	--	--	--	0		
					Rot Z		0	--	--	--	--	0		
					Asp		0	--	--	--	--	0		
					Skew		0	--	--	--	--	0		
					Pers		0	--	--	--	--	0		
				E 4										

FIG. 19

EDIT DATA										
010	EFFECT ID	0001								
	EDIT P ID	EP 1	EP 2	EP 3	EP 4	EP 5				
	A s p e c t		0	--	+25					
	A n g l e		0	+180	-180					
	S p e e d		20	20	100					
	H-M o d		0	--	0					
	V-M o d		0	--	0					

FIG. 20

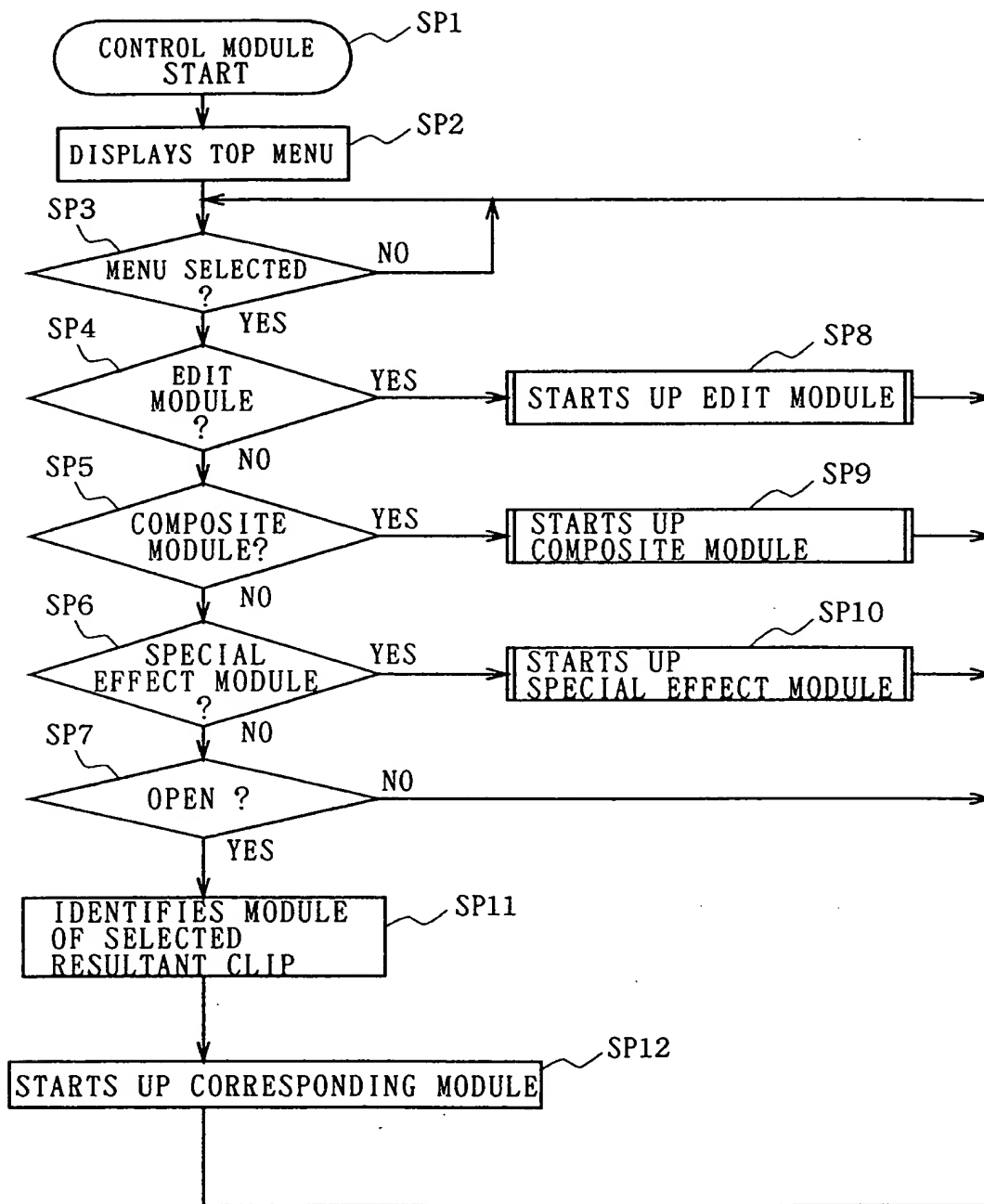


FIG. 21

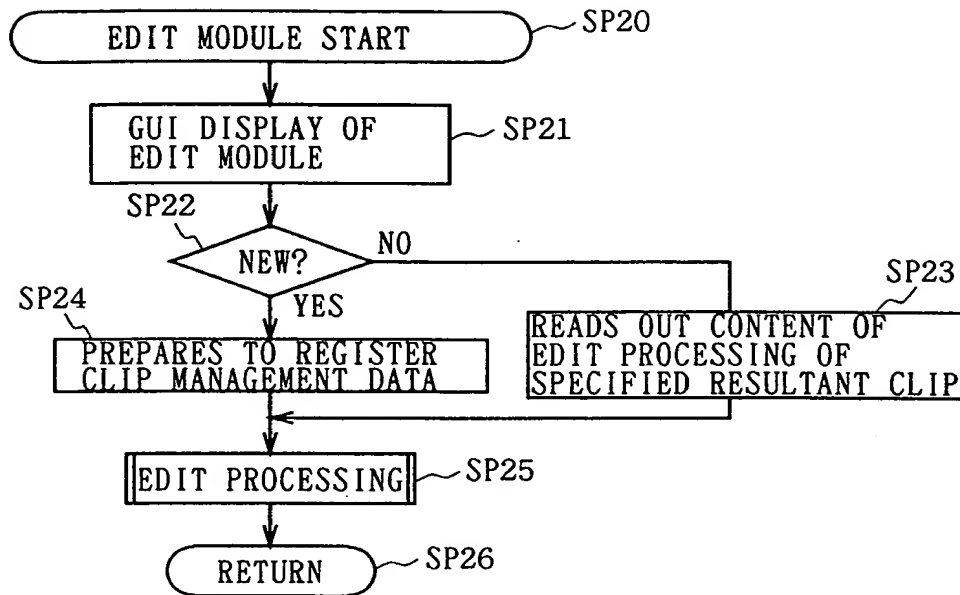


FIG. 22

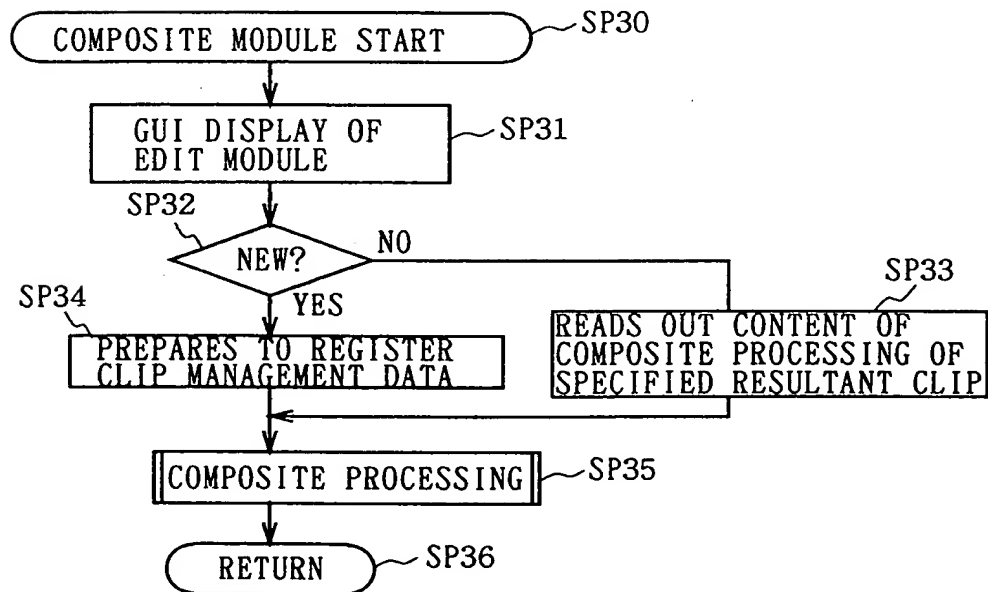


FIG. 23

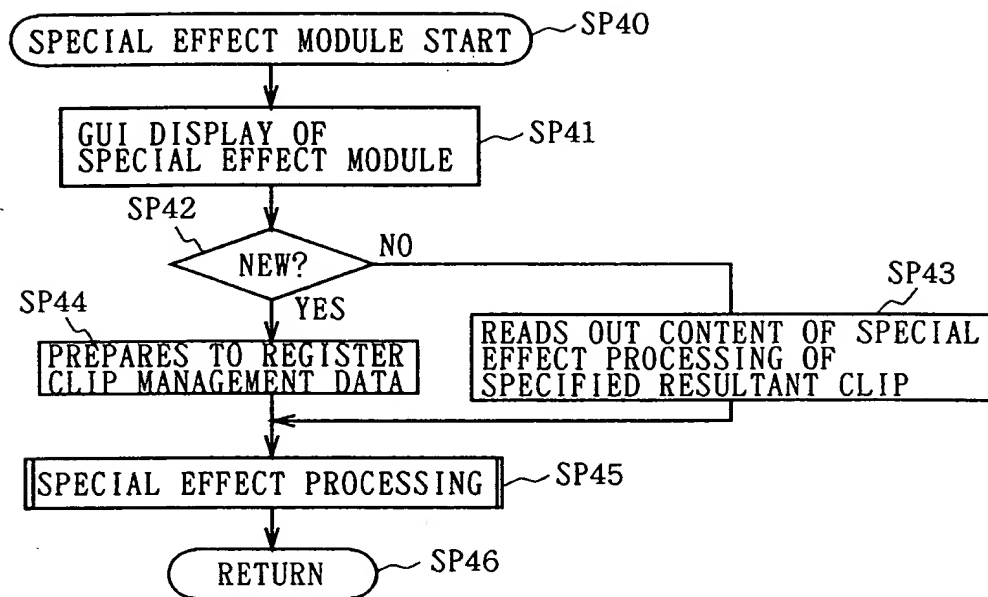


FIG. 24

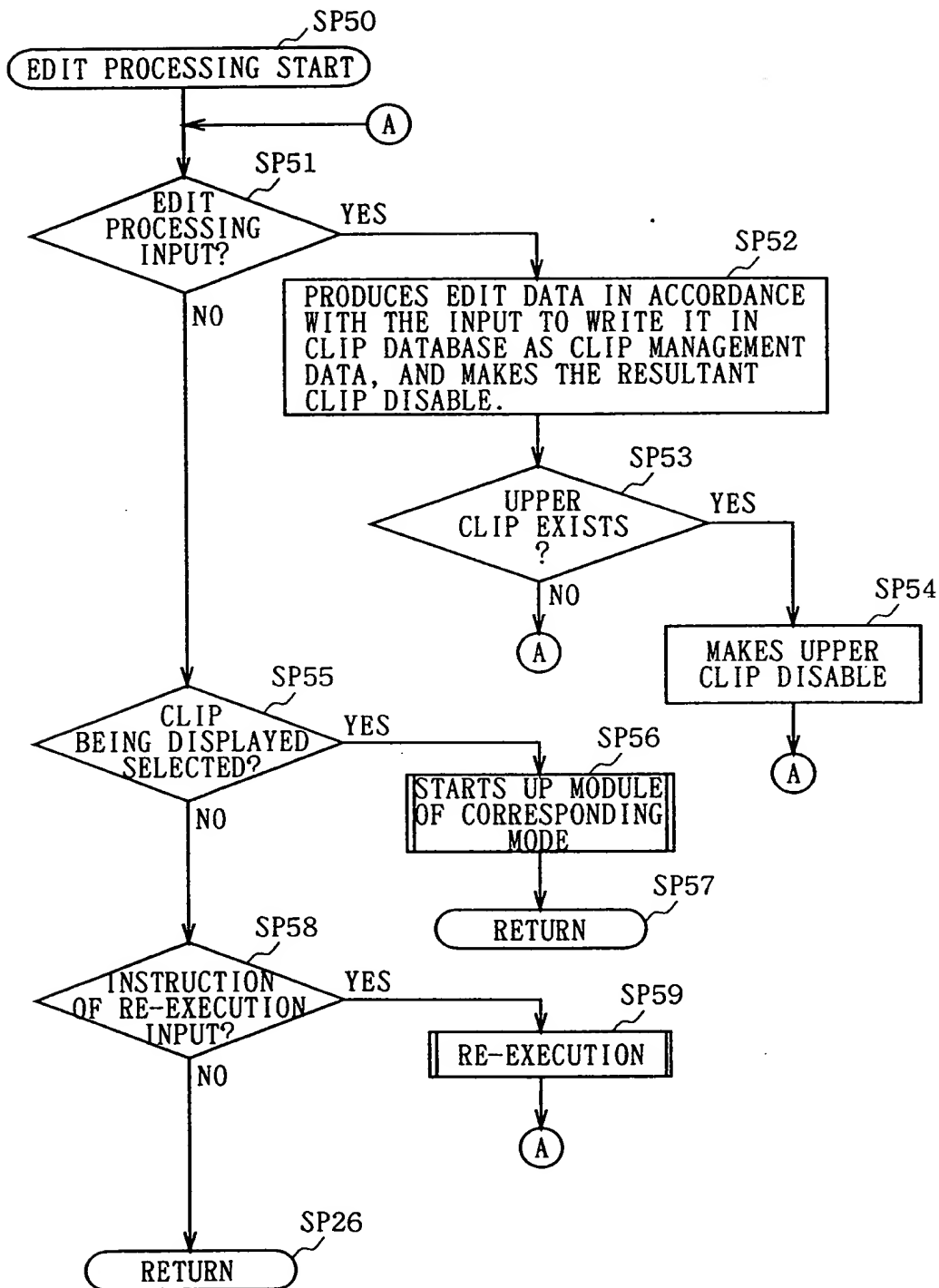


FIG. 25

```

graph TD
    A["FC - A  
DISABLE"] --> B["MC - B 1"]
    A --> B2["FC - B  
DISABLE"]
    B2 --> C["FC - C  
DISABLE"]
    B2 --> D["FC - D  
DISABLE"]
    C --> C1["MC - C 1"]
    C --> E["FC - E  
DISABLE"]
    E --> E1["MC - E 1"]
    E --> E2["MC - E 2"]
    E --> G["FC - G  
ENABLE"]
    D --> D1["MC - D 1"]
    D --> D2["MC - D 2"]
    D --> F["FC - F  
ENABLE"]
    F --> F1["MC - F 1"]
    F --> F2["MC - F 2"]
    F --> F3["MC - F 3"]
    G --> G1["MC - G 1"]
    G --> G2["MC - G 2"]
  
```

$$23 / 27$$

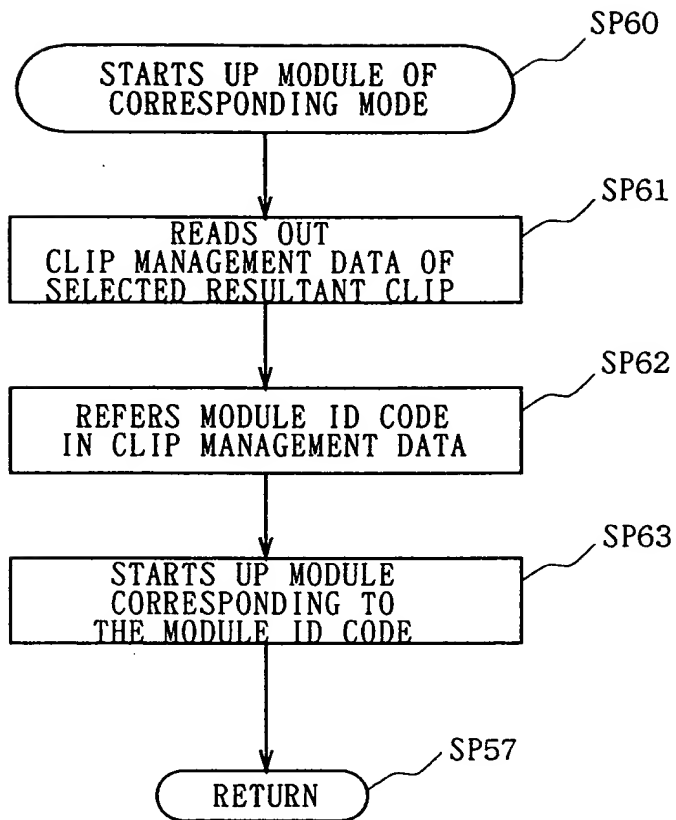


FIG. 27



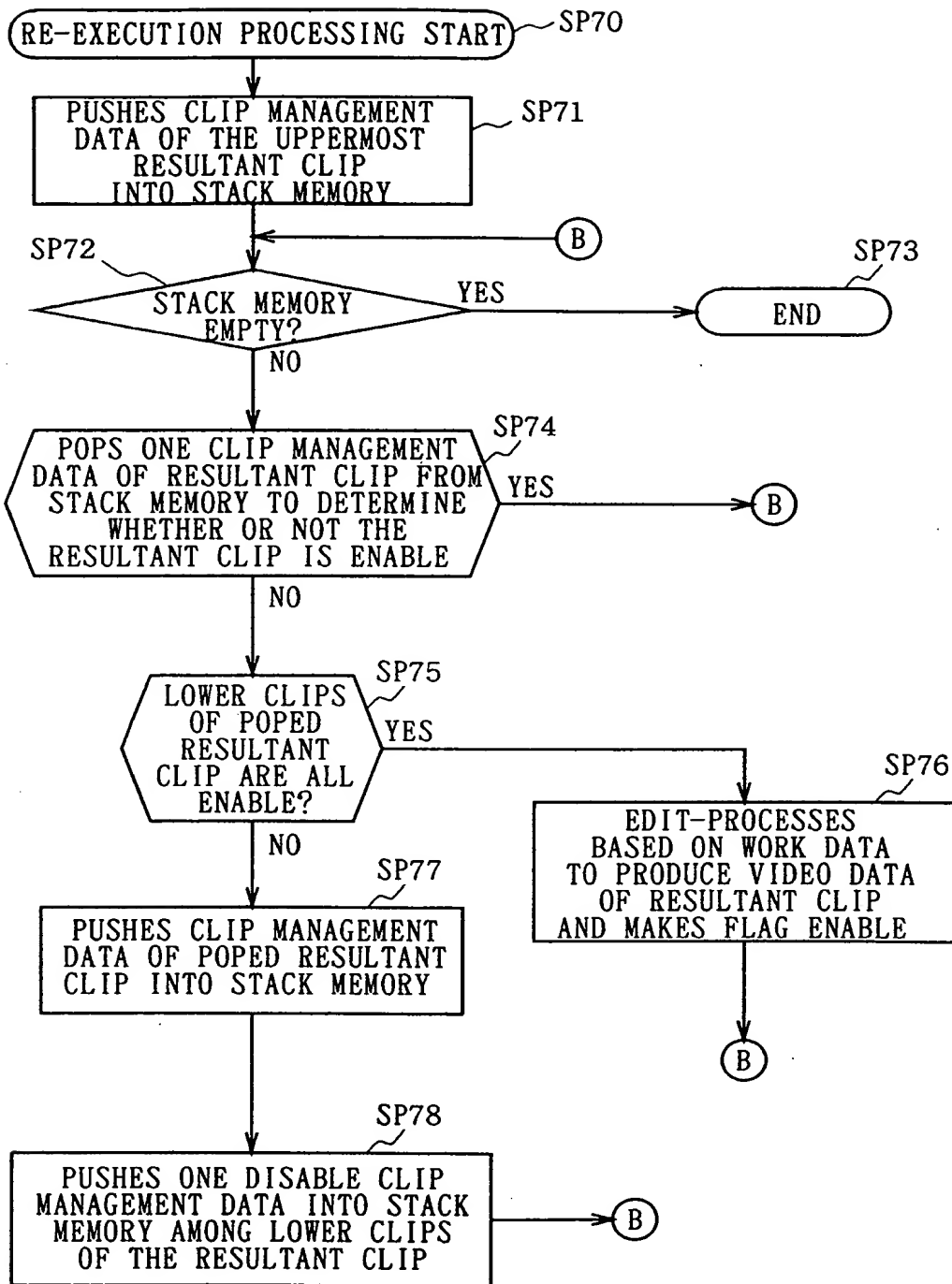


FIG. 28

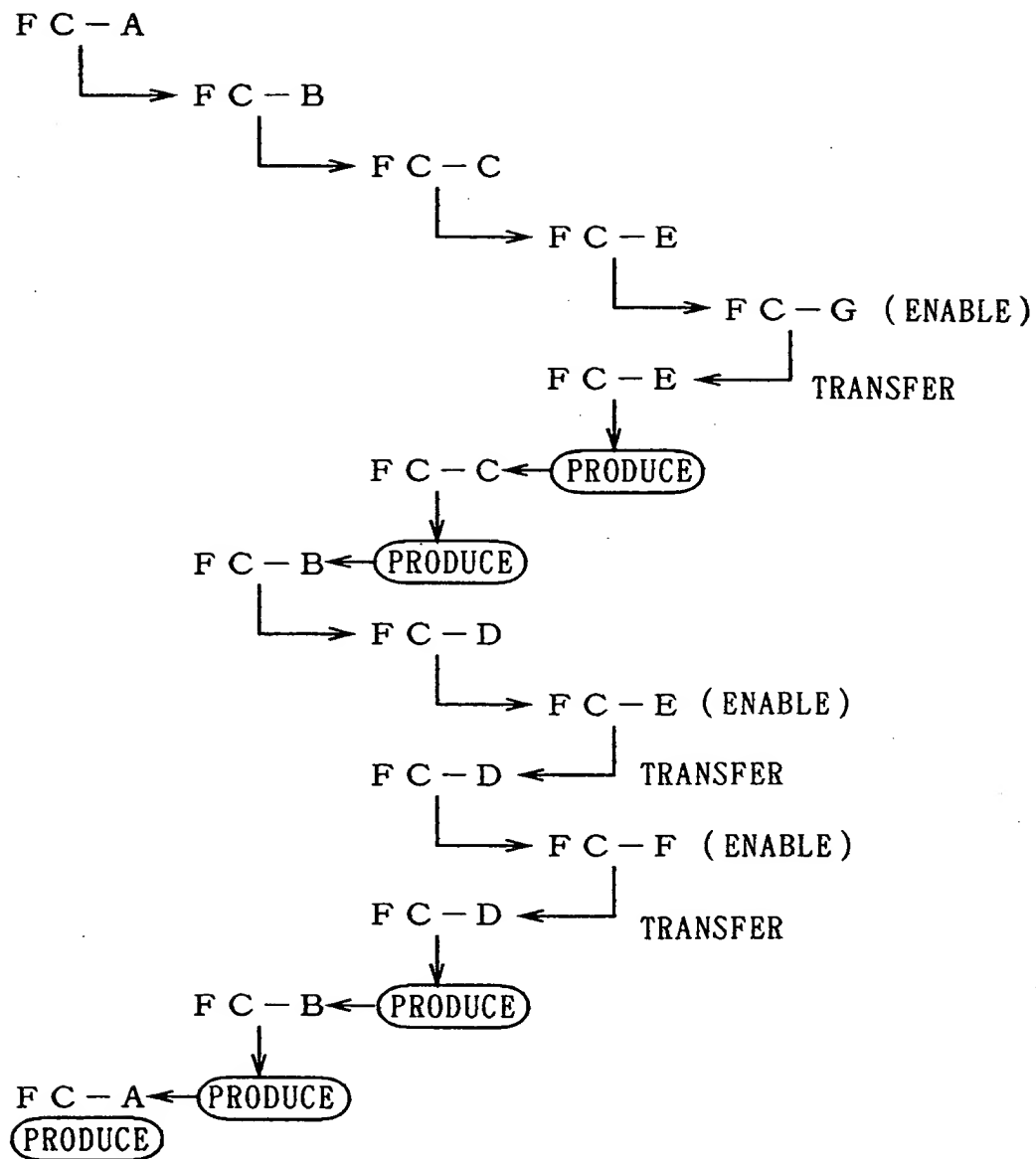


FIG. 29

## DESCRIPTION OF REFERENCE NUMERALS

1...editing system, 2...work station, 2A...body, 2B...display, 2C...key board, 2D...mouse, 2E...pen tablet, 3...device controller, 4...exclusive controller, 5...video disk recorder, 6...video tape recorder, 7...switcher, 8...video camera, 9...digital multi-effector, 10...monitor, 11...audio mixer, 20...system bus, 21...CPU, 21A...ROM, 21B...RAM, 22...video processor, 23...display controller, 24...HDD interface, 25...FDD interface, 26...pointing device interface, 27...external interface, 30...menu window, 31...clip tree window, 32...key window, 33...library window, 34, 41, 51...time line window, 35...parameter setting window, 36...preview screen display window, 37...device control window, 38...edit content display window, 39...control command window, 40, 50...effect selection window, 42, 52...parameter setting window.